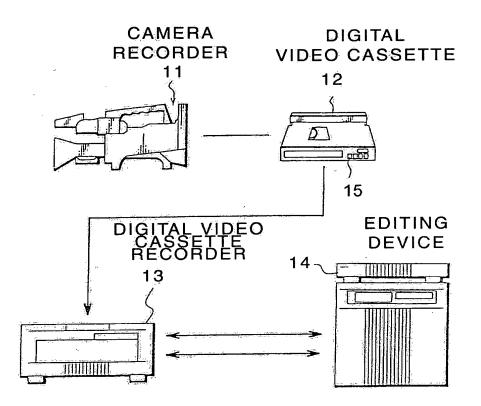


Inventor(s): Akira TAKANO
Invention: Method of Generating Index ... Data

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FIG. 1

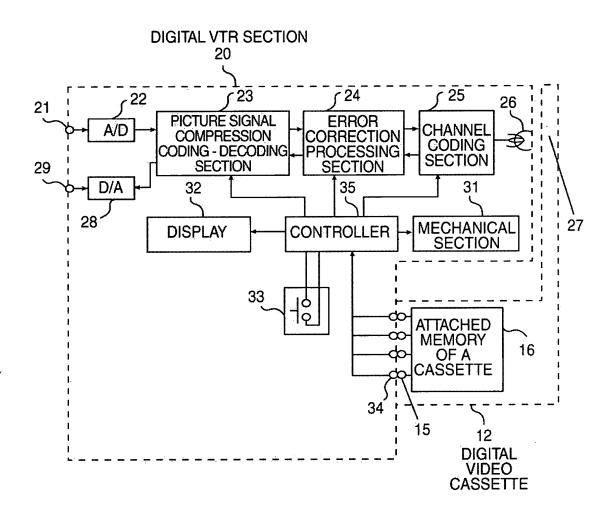




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FIG. 2





Invention: Method of Generating Index ... Data

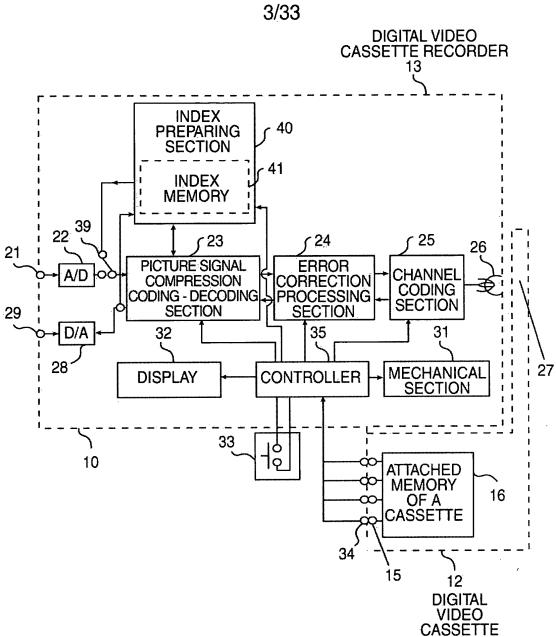


FIG. 3



Inventor(s): Akira TAKANO
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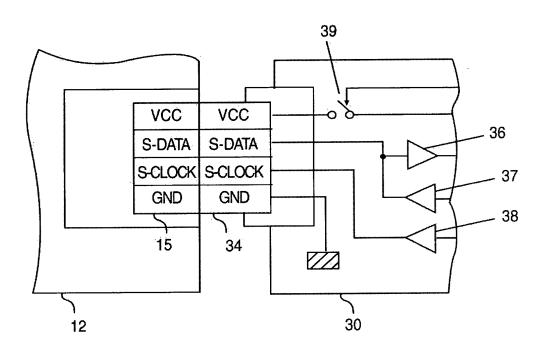
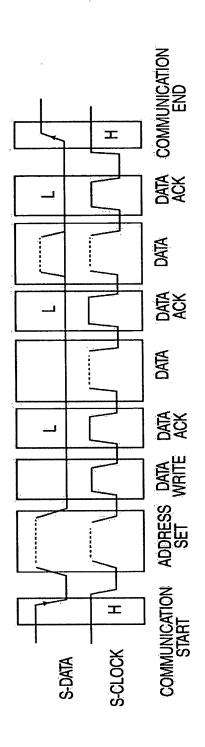


FIG. 4



Inventor(s): Akira TAKANO
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Inventor(s): Akira TAKANO
Invention: Method of Generating Index ... Data
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1 BYTE 1 BYTE 1 BYTE S-CLOCK -/ S-DATA

FIG. 6

Inventor(s): Akira TAKANO
Invention: Method of Generating Index ... Data
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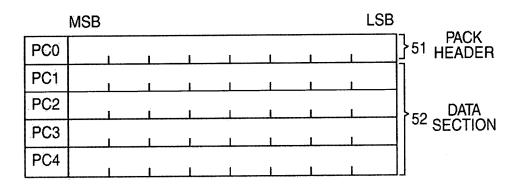
COMMUNICATION END PATA ACKA DATA ACK ACK ACK DATA ACK A DATA READ ェ COMMUNICATION ADDRESS START SET I S-CLOCK S-DATA

FIG. 7



Invention: Method of Generating Index ... Data

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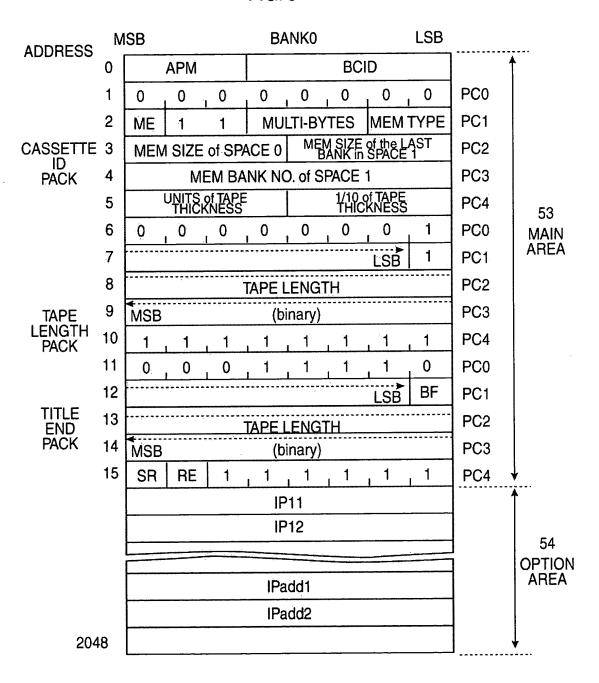




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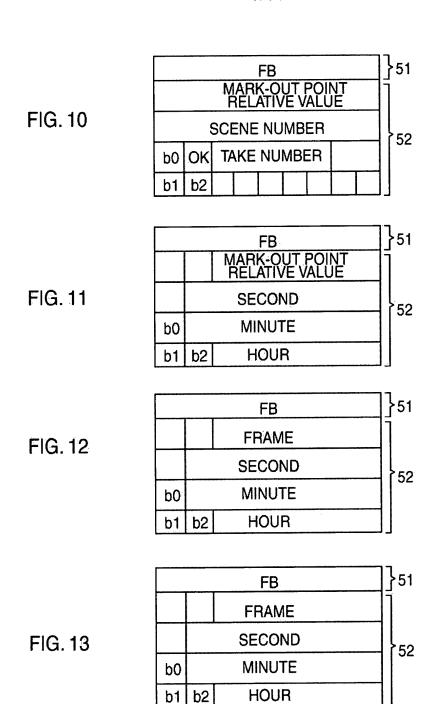
FIG.9





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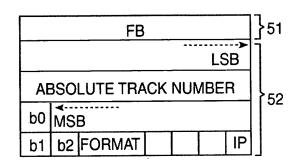


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FIG. 14



MSB

LSB

FIG. 15

PC0	1	1	1	1	1	0	1_1	1
PC1	₩	RELA	MAI TIVE V	RK-OU ALUE 1	T POIN TO PC1	T OF IPI	V2	
PC2		SCENE NUMBER LSB					LSB	
PC3	0	OK/NG	T	AKE N	IUMBE	R	MSI	3
PC4	1	0	1	1	1	1	1	1

MSB

LSB

PC0	1	1	†	1	1.	0	1	1
PC1	∢	RELATI	MAF VE VAL	RK-OUT UE TO	POINT	IPN1 I	SB	
PC2		TENS	of SEC	ONDS	UNI	TS of	SECO	NDS
PC3	1	TENS	of MIN	UTES	UNI	TS of	MINU	ΓES
PC4	1	0	TENS	of	UNI	TS of	HOUR	S

FIG. 16



Inventor(s): Akira TAKANO
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MSB

LSB

FIG. 17

PC0	1	, 1	1	, 1	1	0	1	, 1
PC1	1	1	TEN FRA	IS of MES	UN	TS of	FRAM	ES
PC2	1	TENS	of SEC	CONDS	UN	ITS of	SECO	NDS
PC3	0	TENS			UN	ITS of	MINU	ΓES
PC4	0	1	TENS	of RS	UN	ITS of	HOUF	IS

MSB

LSB

FIG. 18

PC0	1	1	1	1	1	0	, 1	1
PC1		, 1	TEN FRA	S of MES	UNI	TS of	FRAM	ES
PC2		TENS	of SEC	ONDS	UNI	TS of	SECO	NDS
PC3	0	TENS			UNI	TS of	MINU	TES
PC4	0	. 1	TENS	of RS	UNI	TS of	HOUF	RS

MSB

LSB



PC0 PC1 LSB PC2 PC3 1. **MSB** 0 **FORMAT** 1 1 1 1P PC4

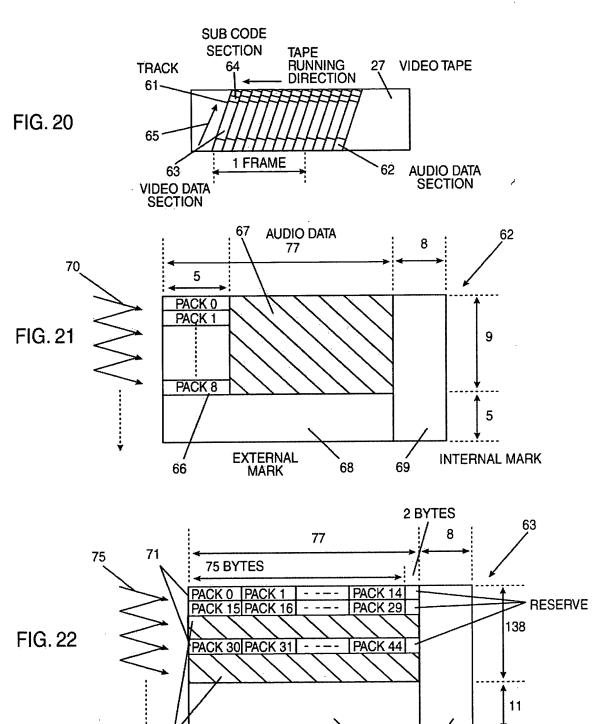
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Inventor(s): Akira TAKANO

Invention: Method of Generating Index ... Data

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FIG. 23

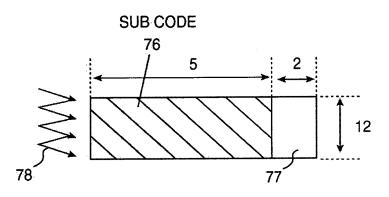
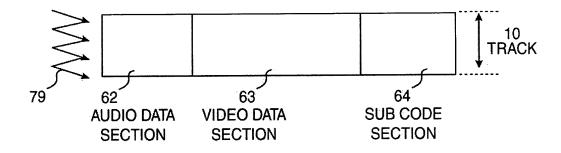


FIG. 24





Inventor(s): Akira TAKANO
Invention: Method of Generating Index ... Data
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FIG. 25

MS	В	ID	0_LSBMSB_I	D1LS	B DATA
ĺ	FR	1 1		SB,NO.	SUB CODE DATA
	1	AP3	ABSOLUTE	0	FB (1Padd1)
	1	TAG	TRACK NO.	1	FB (1Padd2)
	1	TAG		2	FB (CUE)
	1	TAG		3	TTC
	1	TAG	ABSOLUTE TRACK NO.	4	TTC or BIN or NO INFO
	1	TAG	THEORY IV.	5	TTC
	1	AP3		6	FB (IPn1)
	1	TAG	ABSOLUTE	7	FB (IPn2)
	1	TAG	TRACK NO.	8	
	1	TAG		9	TTC
	1	TAG	ABSOLUTE TRACK NO.	10	TTC or BIN or NO INFO
	1	APT	TIAON NO.	11	TTC



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FIG. 26

MS	В	ID	D_LSBMSB_ID	1 LS	B DATA
ĺ	FR	111		SB,NO.	SUB CODE DATA
	0	AP3	ABSOLUTE	0	FO (PM)
	0	TAG	TRACK NO.	1	FB (R1)
	0	TAG		2	FB (R2)
	.0	TAG		3	TTC
	0	TAG	ABSOLUTE TRACK NO.	4	REC DATE or NO INFO
	0	TAG	TI DICTOR	5	REC TIME or NO INFO
	0	AP3		6	RESERVE
i	0	TAG	ABSOLUTE	7	RESERVE
	0	TAG	TRÁCK NO.	8	RESERVE
	0	TAG		9	TTC
	0	TAG	ABSOLUTE TRACK NO.	10	REC DATE or NO INFO
	0	APT	TRAOR NO.	11	REC TIME or NO INFO

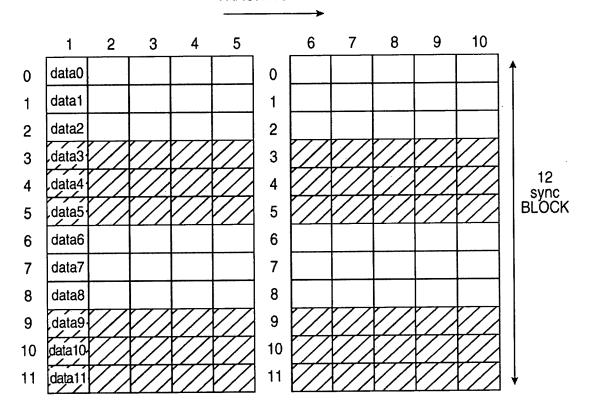


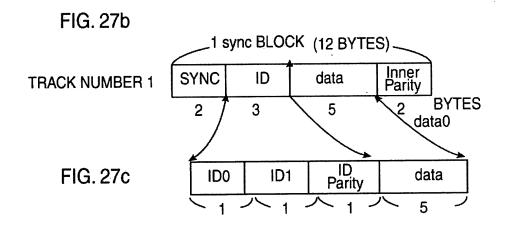
Invention: Method of Generating Index ... Data

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17/33 FIG. 27a

TRACK NUMBER







Invention: Method of Generating Index ... Data

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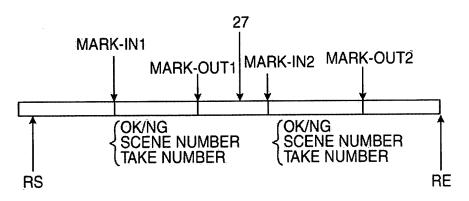


FIG. 29

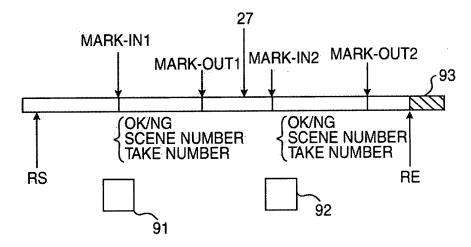
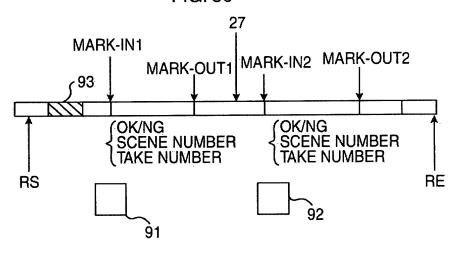


FIG. 30





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FIG. 31

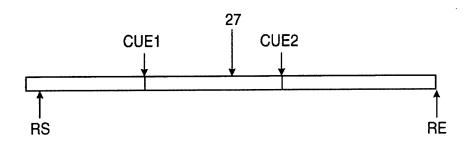


FIG. 32

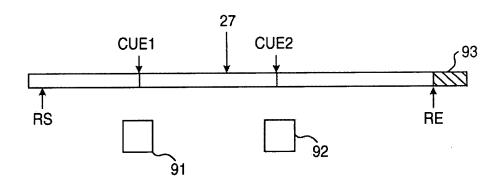
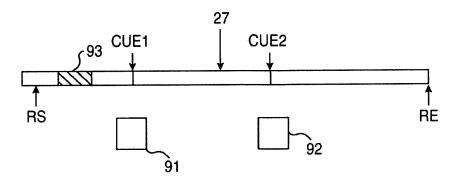


FIG. 33





Invention: Method of Generating Index ... Data

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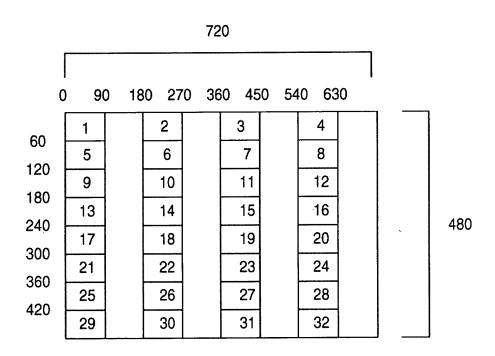


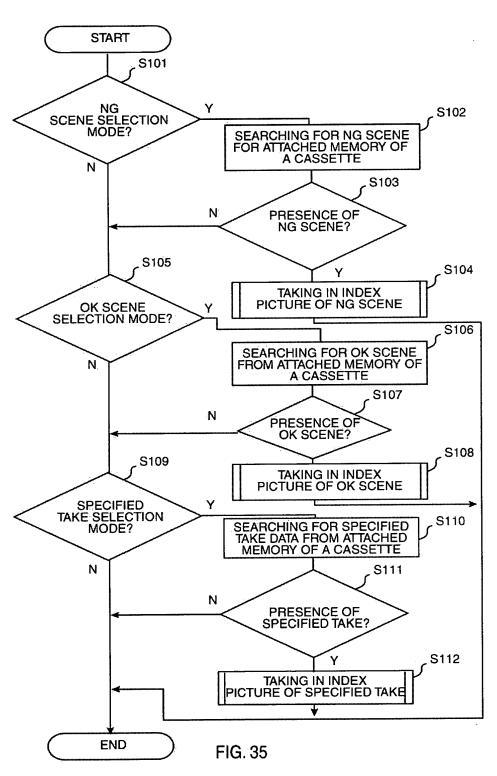
FIG. 34

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Invention: Method of Generating Index ... Data

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Inventor(s): Akira TAKANO

Invention: Method of Generating Index ... Data

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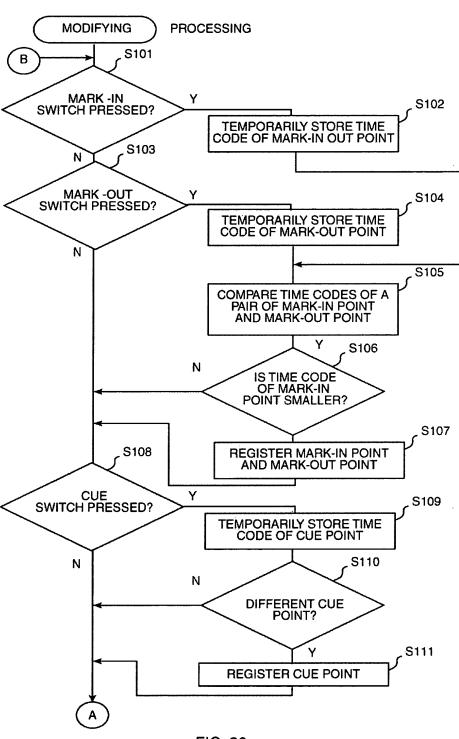
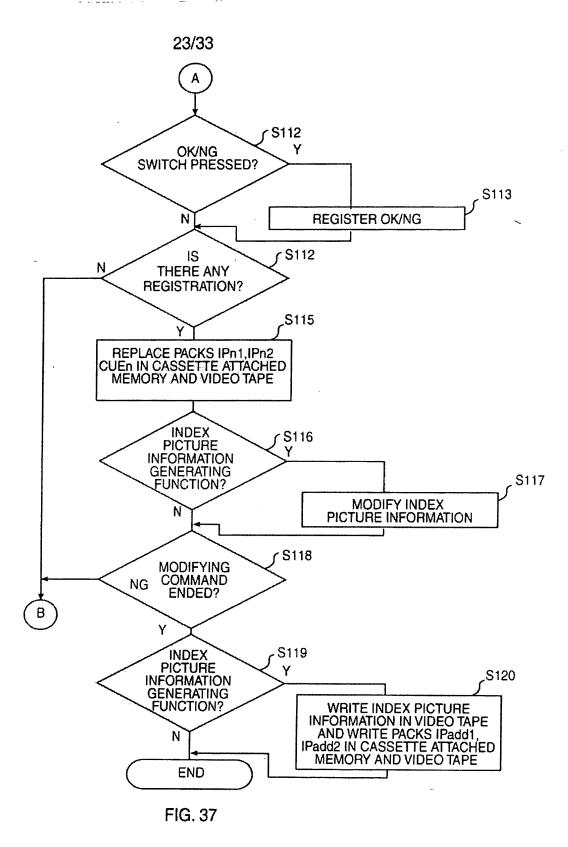


FIG. 36



Invention: Method of Generating Index ... Data





Invention: Method of Generating Index ... Data

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FIG. 38

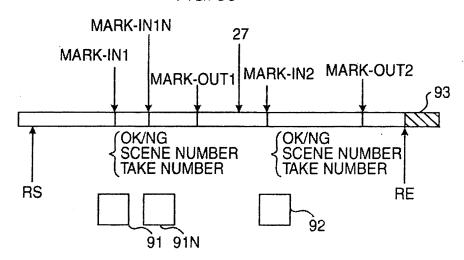


FIG. 39a

FIG. 39b

MAIN AREA	MAIN AREA
IP11(MARK-IN1)	IP11(MARK-IN1N)
IP12(MARK-IN1)	IP12(MARK-IN1N)
IP21(MARK-IN2)	IP21(MARK-IN2)
IP22(MARK-IN2)	IP22(MARK-IN2)
• •	·
IPadd1	IPadd1
IPadd2	IPadd2



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FIG. 40a

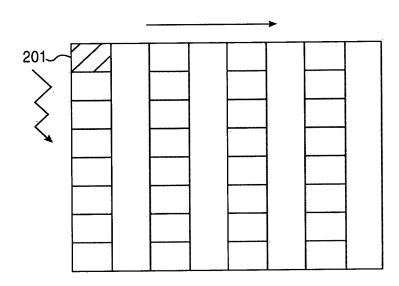
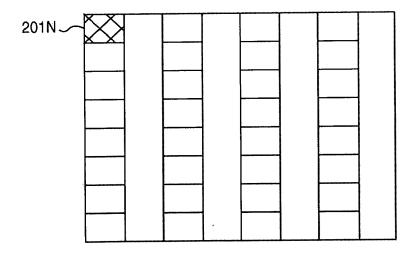


FIG. 40b





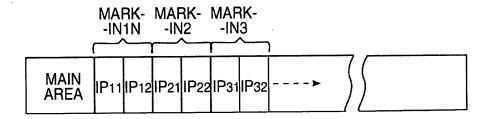
Invention: Method of Generating Index ... Data

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FIG. 41a

201N ~	X 1X	2	3	4	
	5	6	7	8	
	9	10	11	12	
	13	14	15	16	
	17	18	19	20	
	21	22	23	24	
	25	26	27	28	
	29	30	31	32	

FIG. 41b





Invention: Method of Generating Index ... Data

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FIG. 42

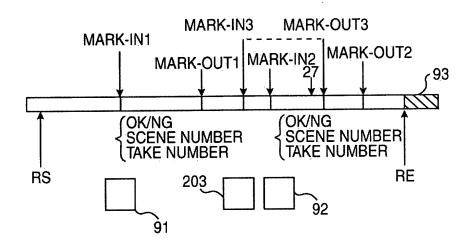


FIG. 43a

MAIN AREA
IP11(MARK-IN1)
IP12(MARK-IN1)
IP21(MARK-IN2)
IP21(MARK-IN2)
• • • •
IPadd1
IPadd2

FIG. 43b

MAIN AREA
IP11(MARK-IN1)
IP12(MARK-IN1)
IP21(MARK-IN3)
IP22(MARK-IN3)
IP31(MARK-IN2)
IP32(MARK-IN2)
4
•
IPadd1
IPadd2



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FIG. 44a

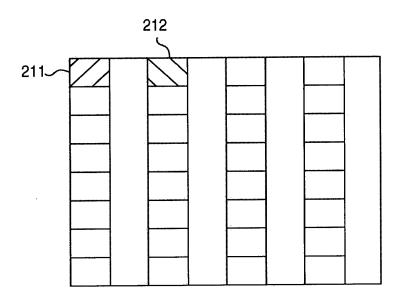
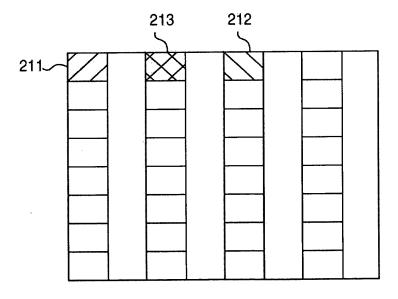


FIG. 44b





Invention: Method of Generating Index ... Data

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FIG. 45a

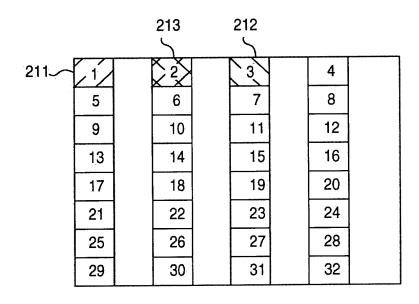
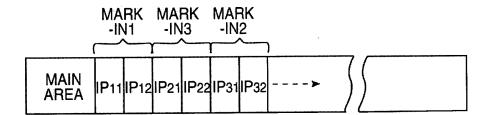


FIG. 45b





Invention: Method of Generating Index ... Data

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FIG. 46

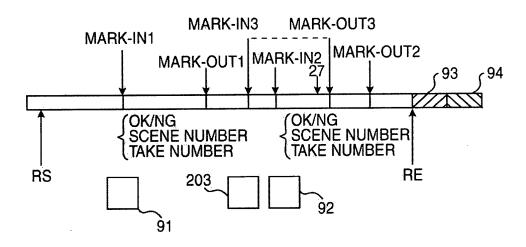


FIG. 47a

MAIN AREA
IP11(MARK-IN1)
IP12(MARK-IN1)
IP21(MARK-IN2)
IP21(MARK-IN2)
• • • • •
IPadd1(VALID)
IPadd2(VALID)

FIG. 47b

MAIN AREA IP11(MARK-IN1) IP12(MARK-IN1) IP21(MARK-IN3) IP22(MARK-IN3) IP31(MARK-IN2) IP32(MARK-IN2) IP32(MARK-IN2) IPadd1(VOID) IPadd2(VOID) IPadd2N(VOID)	
IP12(MARK-IN1) IP21(MARK-IN3) IP22(MARK-IN3) IP31(MARK-IN2) IP32(MARK-IN2) : : : IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	MAIN AREA
IP21(MARK-IN3) IP22(MARK-IN3) IP31(MARK-IN2) IP32(MARK-IN2) : : IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	IP11(MARK-IN1)
IP22(MARK-IN3) IP31(MARK-IN2) IP32(MARK-IN2) : : : IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	IP12(MARK-IN1)
IP31(MARK-IN2) IP32(MARK-IN2) : : : IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	IP21(MARK-IN3)
IP32(MARK-IN2) : : : IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	IP22(MARK-IN3)
IPadd1(VOID) IPadd2(VOID) IPadd1N(VOID)	IP31(MARK-IN2)
IPadd2(VOID) IPadd1N(VOID)	IP32(MARK-IN2)
IPadd2(VOID) IPadd1N(VOID)	4
IPadd2(VOID) IPadd1N(VOID)	•
IPadd2(VOID) IPadd1N(VOID)	•
IPadd1N(VOID)	IPadd1(VOID)
	IPadd2(VOID)
IPadd2N(VOID)	IPadd1N(VOID)
	IPadd2N(VOID)



Invention: Method of Generating Index ... Data

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FIG. 48

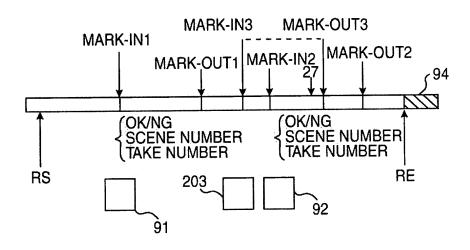


FIG. 49a

MAIN AREA	
IP11(MARK-IN1)	
IP12(MARK-IN1)	
IP21(MARK-IN2)	
IP21(MARK-IN2)	
•	
IPadd1	
IPadd2	

FIG. 49b

MAIN AREA
IP11(MARK-IN1)
IP12(MARK-IN1)
IP21(MARK-IN3)
IP22(MARK-IN3)
IP31(MARK-IN2)
IP32(MARK-IN2)
٠
•
•
IPadd1N
IPadd2N



Invention: Method of Generating Index ... Data

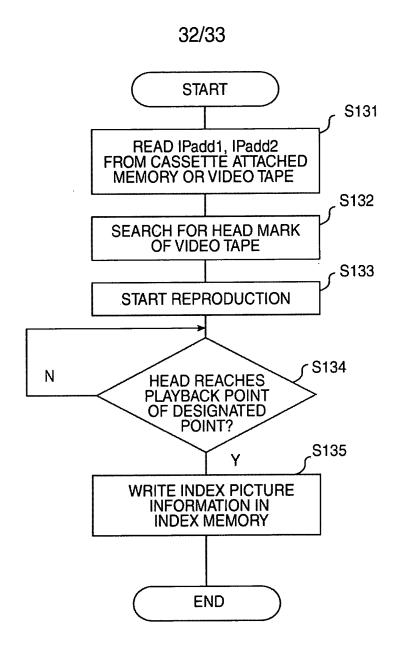


FIG. 50



Invention: Method of Generating Index ... Data

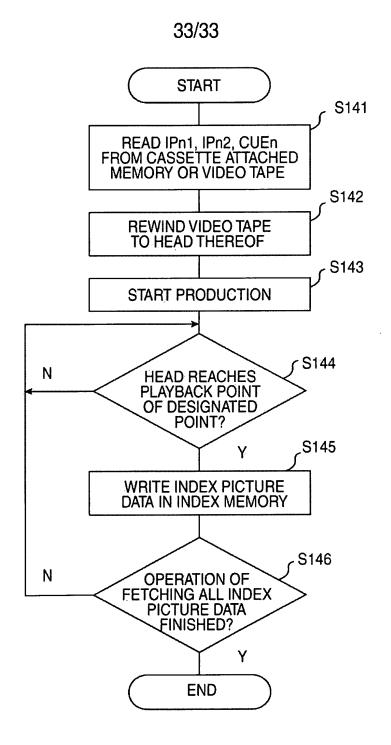


FIG. 51